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(54) ANTIFREEZE COMPOSITION

(57)Abstract:

PURPOSE: To obtain an antifreeze composition that is inexpensive and excellent in corrosion suppression action.

CONSTITUTION: An antifreeze composition whose major component is ethylene glycol, propylene glycol, or diethylene glycol, or a mixture of these contains 1) 0.5 to 5wt.% dodecanedioic acid or its sodium salt or potassium salt, 0.1 to 6wt.% p-tert-butylbenzoic acid or its sodium salt or potassium salt, and 0.05 to 1.0wt.% triazoles and 2) at least one selected from the group consisting of silicates, molybdates, nitrates, benzoates, and thiazole salts, and is free from 3) amine salts, phosphates, borates, and nitrites. Therefore, the antifreeze composition is excellent in an ability of suppressing corrosion of metals that are used for internal combustion engines and has an excellent corrosion suppressing power with the added amount of the dodecanedioic acid decreased in comparison with the case where dodecanedioic acid alone is used.

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